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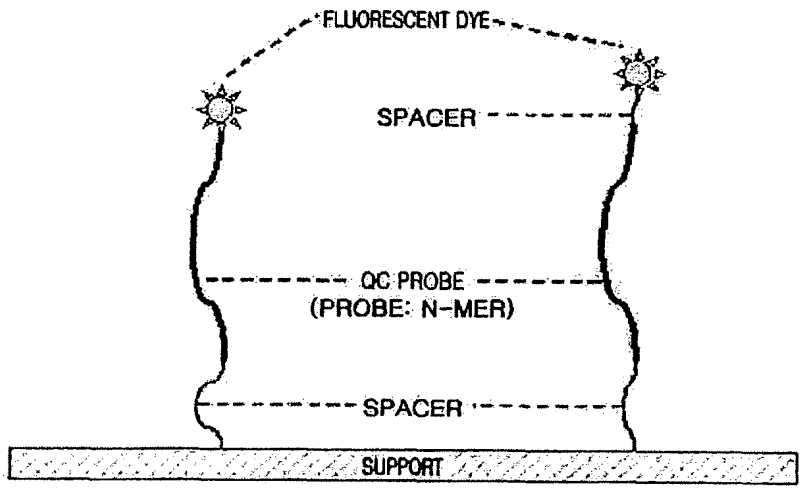
(54) Title: MICROARRAY COMPRISING QC PROBES AND METHOD FOR FABRICATING THE SAME



(57) Abstract: A quality control (QC) probe for inspecting a quality of a microarray, a method for fabricating a microarray in which the QC probe and a target probe are immobilized on a support, and a method for inspecting the quality of a microarray using the QC probe are provided. More particularly, a method for fabricating a microarray by mixing a QC probe labeled with a fluorescent material and a target probe at a certain ratio and immobilizing the mixture on a support of a microarray, a method for inspecting the quality of a microarray including identifying the immobilization state of probes by scanning a fluorescent signal produced by a fluorescent material before or after a hybridization reaction of a target probe and a target product using the prepared microarray, and a QC probe used for inspecting the quality of a microarray are provided. The QC probe can be used to identify whether or not each probe is immobilized on a support of a microarray, shape and concentration of the immobilized probe, and a bonding reaction or a hybridization reaction of a target probe and a target product. When using the microarray including the QC probe in a hybridization reaction, a reliability of experimental procedures and result analysis using the microarray can be improved. In addition, the use of a target probe having a QC function can simplify the process of fabricating a microarray.

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